

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2060_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 2060 has the O&M Manual on file.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2060_01_f_2014_7				
Comment Code					
Inspector Comment					
RD 2060 has emergency supplies on hand.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2060_01_s_2012_12				
Comment Code					
Inspector Comment					
RD 2060 has trained staff for a flood fight.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	0.40	Rating **	M	Issue No.	5
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.247894 °	38.247911 °
				-121.703492 °	-121.703539 °
DWR ID	LMA-185				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the slope, near the water line towards the waterside toe.					
Site ID No:358					
Site Designation:LMA-185					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Small erosion into bank.					

Photo 1 of 6 : FA_2019_RD2060_241_5_20190826_00001.jpg



LM Start	0.40	Rating **	M	Issue No.	5 (cont)
LM End	0.40	Issue Type +	Ma	Location *	WS

Photo 2 of 6 : FA_2019_RD2060_241_5_20190826_00002.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	0.40	Rating **	M	Issue No.	5 (cont)	
LM End	0.40	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.247894 °		38.247911 °
				-121.703492 °		-121.703539 °
DWR ID	LMA-185					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately 3/4 of the way down the slope, near the water line towards the waterside toe.						
Site ID No:358						
Site Designation:LMA-185						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/12/2017						
Notes: Small erosion into bank.						

Photo 3 of 6 : FA_2019_RD2060_241_5_20190826_00003.jpg



Photo 4 of 6 : FA_2019_RD2060_241_5_20190826_00004.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

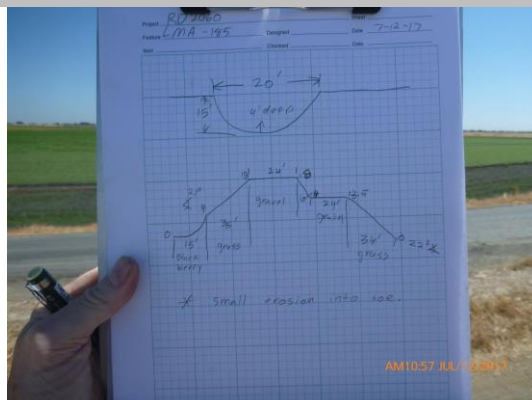
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	0.40	Rating **	M	Issue No.	5 (cont)	
LM End	0.40	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.247894 °		38.247911 °
				-121.703492 °		-121.703539 °
DWR ID	LMA-185					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately 3/4 of the way down the slope, near the water line towards the waterside toe.						
Site ID No:358						
Site Designation:LMA-185						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/12/2017						
Notes: Small erosion into bank.						

Photo 5 of 6 : FA_2019_RD2060_241_5_20190826_00005.jpg



Photo 6 of 6 : FA_2019_RD2060_241_5_20190826_00006.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	0.41	Rating **	M	Issue No.	8
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.248036 °	38.248017 °
				-121.703539 °	-121.703789 °

DWR ID	LMA-186
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Comment Code

[illegible]

Inspector Comment	

Levee Evaluation Comments

Description: Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Existing rip rap appears to have been pulled off in this section.

Site ID No:359

Site Designation:LMA-186

Repair Type: Erosion

Rating:Area of Concern

Field Date: 7/12/2017

Notes: Site had riprap but is eroded away. Minor erosion in toe of levee.

LM Start	0.41	Rating **	M	Issue No.	8 (cont)
LM End	0.42	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2019_RD2060_241_8_20190826_00007.jpg



Photo 2 of 3 : FA_2019_RD2060_241_8_20190826_00008.jpg



* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	0.41	Rating **	M	Issue No.	8 (cont)	
LM End	0.42	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.248036 °	38.248017 °	
				-121.703539 °	-121.703789 °	
DWR ID	LMA-186					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Existing rip rap appears to have been pulled off in this section.						
Site ID No:359						
Site Designation:LMA-186						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/12/2017						
Notes: Site had riprap but is eroded away. Minor erosion in toe of levee.						

Photo 3 of 3 : FA_2019_RD2060_241_8_20190826_00009.jpg



LM Start	0.75	Rating **	M	Issue No.	9
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.249359 °	38.249400 °
				-121.709506 °	-121.709608 °
DWR ID	LMA-187				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Erosion is concentrated near the waterline. Existing rip rap appears to have been pulled off in this section.					
Site ID No:360					
Site Designation:LMA-187					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Erosion looks old but has progressed this year.					

Photo 1 of 3 : FA_2019_RD2060_241_9_20190826_00010.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

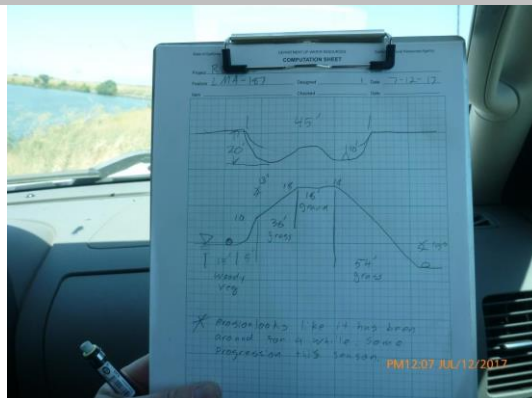
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	0.75	Rating **	M	Issue No.	9 (cont)							
LM End	0.76	Issue Type +	Ma	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.249359 °	38.249400 °								
			-121.709506 °	-121.709608 °								
DWR ID	LMA-187											
Comment Code												
Inspector Comment												
Levee Evaluation Comments Description: Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Erosion is concentrated near the waterline. Existing rip rap appears to have been pulled off in this section. Site ID No: 360 Site Designation: LMA-187 Repair Type: Erosion Rating: Area of Concern Field Date: 7/12/2017 Notes: Erosion looks old but has progressed this year.												

Photo 2 of 3 : FA_2019_RD2060_241_9_20190826_00011.jpg



Photo 3 of 3 : FA_2019_RD2060_241_9_20190826_00012.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	0.92	Rating **	M	Issue No.	10 (cont)
LM End	0.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.250875 °	38.250953 °
				-121.711942 °	-121.712078 °
DWR ID	LMA-188				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description:Sloughing commences approximately halfway down the water side slope. Site ID No:361 Site Designation:LMA-188 Repair Type: Erosion Rating:Area of Concern Field Date:7/12/2017 Notes: Minor sloughing, mostly riprap has moved down the slope and into channel.					

Photo 3 of 4 : FA_2019_RD2060_241_10_20190826_00015.jpg



Photo 4 of 4 : FA_2019_RD2060_241_10_20190826_00016.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	1.04	Rating **	M	Issue No.	15
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.251058 °	38.250872 °
				-121.714050 °	-121.714792 °
DWR ID	LMA-189				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the water side slope concentrated at the waterline.					
Site ID No:362					
Site Designation:LMA-189					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Erosion due to lack of revetment. Erosion ends at riprap downstream. Vertical cut at summer wse.					

Photo 1 of 3 : FA_2019_RD2060_241_15_20190826_00017.jpg



Photo 2 of 3 : FA_2019_RD2060_241_15_20190826_00018.jpg



LM Start	1.04	Rating **	M	Issue No.	15 (cont)
LM End	1.08	Issue Type +	Ma	Location *	WS

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Reclamation District No. 2060 Hastings

A photograph of a pond or lake. In the foreground, there is a grassy bank with some green shrubs and tall grasses. The water is blue and calm. In the background, there is a line of trees and a clear sky. A date stamp "10/15/2016 10:00" is visible in the bottom right corner of the photo.Page 11 of 37

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Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	1.09	Rating **	M	Issue No.	16 (cont)
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.250844 °	38.250833 °
				-121.714944 °	-121.714994 °
DWR ID	LMA-190				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Erosion commences approximately halfway down the water side slope extending to the toe.

Site ID No: 363

Site Designation: LMA-190

Repair Type: Erosion

Rating: Area of Concern

Field Date: 7/12/2017

Notes: Small erosion up to high water line. Cuts into slope with 6' vertical cut.

LM Start	1.09	Rating **	M	Issue No.	16 (cont)
LM End	1.10	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_241_16_20190826_00021.jpg



Photo 3 of 3 : FA_2019_RD2060_241_16_20190826_00022.jpg



*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	1.39	Rating **	A/W	Issue No.	20 (cont)
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.251886 °	38.252619 °
				-121.719933 °	-121.722842 °
DWR ID	LMA-192				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe.					
Site ID No:365					
Site Designation:LMA-192					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/12/2017					
Notes: Several deep narrow cuts into levee, but mostly minor erosion at highwater line.					

Photo 3 of 3 : FA_2019_RD2060_241_20_20190826_00025.jpg



LM Start	1.43	Rating **	M	Issue No.	6
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.251910 °	38.252605 °
				-121.720620 °	-121.722924 °
DWR ID	DWR_RD2060_01_f_2018_6				
Comment Code					
Inspector Comment					
2017 Site ID: LDS 1.7 L					
Status: Eroding New					
2017 Field Notes: Soil is boulders and sand. Multiple slumping sections.					
Site History:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	1.45	Rating **	A/W	Issue No.	11
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.252013°	38.252013°
				-121.720945°	-121.720945°
DWR ID	DWR_RD2060_01_s_2017_11				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Waterside slope slump from 2017 has not moved since discovered. Initial cause was clay materials, cattle and wet weather. Continue to monitor.					

No Photos

LM Start	1.46	Rating **	A/W	Issue No.	13
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.252038°	38.252070°
				-121.721212°	-121.721440°
DWR ID	DWR_RD2060_01_s_2017_13				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Waterside slope slump from 2017 has not moved since discovered. Initial cause was clay materials, cattle and wet weather. Continue to monitor.					

No Photos

LM Start	1.49	Rating **	A/W	Issue No.	14
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.252130 °	38.252130 °
				-121.721637 °	-121.721637 °
DWR ID	DWR_RD2060_01_s_2017_14				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Waterside slope slump from 2017 has not moved since discovered. Initial cause was clay materials, cattle and wet weather. Continue to monitor.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	1.81	Rating **	A/W	Issue No.	21
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.255972 °	38.256247 °
				-121.724197 °	-121.724464 °
DWR ID	LMA-193				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred due to deep erosion.

Site ID No: 366

Site Designation: LMA-193

Repair Type: Erosion

Rating: Serious

Field Date: 7/12/2017

Notes: Erosion extends halfway into the slope.

LM Start	1.81	Rating **	A/W	Issue No.	21 (cont)
LM End	1.84	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2019_RD2060_241_21_20190826_00026.jpg



Photo 2 of 3 : FA_2019_RD2060_241_21_20190826_00027.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 2060 Hastings

A photograph of a large body of water, likely a reservoir or lake, with a grassy embankment in the foreground. The water is blue with some ripples. In the background, there are trees and power lines under a clear sky.Page 17 of 37

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Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	1.90	Rating **	M	Issue No.	22 (cont)
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.257208 °	38.257842 °
				-121.724619 °	-121.724694 °
DWR ID	LMA-194				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred.					
Site ID No:367					
Site Designation:LMA-194					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Minor cracking observed below the hinge point and minor erosion at levee toe.					

Photo 2 of 3 : FA_2019_RD2060_241_22_20190826_00030.jpg



LM Start	1.90	Rating **	M	Issue No.	22 (cont)
LM End	1.95	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2019_RD2060_241_22_20190826_00031.jpg

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	2.10	Rating **	A/W	Issue No.	23
LM End	2.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.259317 °	38.259258 °
				-121.726314 °	-121.726939 °
DWR ID	LMA-195				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the rip rap.					
Site ID No:368					
Site Designation:LMA-195					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/13/2017					
Notes: Erosion appears to be previously repaired, but has failed again.					

LM Start	2.10	Rating **	A/W	Issue No.	23 (cont)
LM End	2.13	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA_2019_RD2060_241_23_20190826_00032.jpg



Photo 2 of 3 : FA_2019_RD2060_241_23_20190826_00033.jpg



* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Reclamation District No. 2060 Hastings

Page 20 of 37

Reclamation District No. 2060 Hastings

Page 21 of 37

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	3.07	Rating **	A/W	Issue No.	25
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260772°	38.260569°
				-121.740817°	-121.741194°
DWR ID	LMA-197				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Erosion occurs near the waterline. Part of the levee has sloughed down toward the waterline due to erosion.

Site ID No: 370

Site Designation: LMA-197

Repair Type: Erosion

Rating: Serious

Field Date: 7/13/2017

Notes: Large erosion halfway into levee. Horizontal cracking on slope almost 24" deep.

LM Start	3.07	Rating **	A/W	Issue No.	25 (cont)
LM End	3.10	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2019_RD2060_241_25_20190826_00038.jpg



Photo 2 of 3 : FA_2019_RD2060_241_25_20190826_00039.jpg



*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	3.07	Rating **	A/W	Issue No.	25 (cont)
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260772 °	38.260569 °
				-121.740817 °	-121.741194 °
DWR ID	LMA-197				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion occurs near the waterline. Part of the levee has sloughed down toward the waterline due to erosion.					
Site ID No:370					
Site Designation:LMA-197					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/13/2017					
Notes: Large erosion halfway into levee. Horizontal cracking on slope almost 24"deep.					

Photo 3 of 3 : FA_2019_RD2060_241_25_20190826_00040.jpg



LM Start	3.17	Rating **	M	Issue No.	26
LM End	3.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.259925°	38.259903°
				-121.742236°	-121.742281°
DWR ID	LMA-198				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description:Erosion occurs near the waterline. Site ID No:371 Site Designation:LMA-198 Repair Type: Erosion Rating:Area of Concern Field Date:7/13/2017 Notes: Minor erosion with sloughing. Horizontal cracks 3.5' deep.					

Photo 1 of 3 : FA_2019_RD2060_241_26_20190826_00041.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	3.17	Rating **	M	Issue No.	26 (cont)	
LM End	3.17	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.259925 °	38.259903 °	
				-121.742236 °	-121.742281 °	
DWR ID	LMA-198					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion occurs near the waterline.						
Site ID No:371						
Site Designation:LMA-198						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/13/2017						
Notes: Minor erosion with sloughing. Horizontal cracks 3.5' deep.						

Photo 2 of 3 : FA_2019_RD2060_241_26_20190826_00042.jpg



Photo 3 of 3 : FA_2019_RD2060_241_26_20190826_00043.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	3.60	Rating **	M	Issue No.	27 (cont)
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.261469 °	38.261464 °
				-121.748389 °	-121.748442 °
DWR ID	LMA-200				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and extends to the toe. Erosion is concentrated at the water line.					
Site ID No:373					
Site Designation:LMA-200					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Small erosion with a narrow deep cut. Heavy veg is protecting the slope.					

Photo 3 of 3 : FA_2019_RD2060_241_27_20190826_00046.jpg



LM Start	3.67	Rating **	M	Issue No.	28
LM End	3.67	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.261181 °	38.261167 °
				-121.749542 °	-121.749592 °
DWR ID	LMA-201				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion is concentrated near the water line.					
Site ID No:374					
Site Designation:LMA-201					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Small narrow and deep cut. May have been caused by a collapsed beaver den.					

Photo 1 of 3 : FA_2019_RD2060_241_28_20190826_00047.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	3.67	Rating **	M	Issue No.	28 (cont)	
LM End	3.67	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.261181°		38.261167°
				-121.749542°		-121.749592°
DWR ID	LMA-201					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion is concentrated near the water line.						
Site ID No:374						
Site Designation:LMA-201						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/13/2017						
Notes: Small narrow and deep cut. May have been caused by a collapsed beaver den.						

Photo 2 of 3 : FA_2019_RD2060_241_28_20190826_00048.jpg



LM Start	3.67	Rating **	M	Issue No.	28 (cont)
LM End	3.67	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2019_RD2060_241_28_20190826_00049.jpg

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	4.28	Rating **	A/W	Issue No.	29
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.260992°	38.261017°	
			-121.759806°	-121.759847°	

Photo 1 of 3 : FA_2019_RD2060_241_29_20190826_00050.jpg



DWR ID LMA-203

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Erosion commences halfway down the slope and extends to the toe. Erosion is concentrated at the water line.

Site ID No: 376

Site Designation: LMA-203

Repair Type: Erosion

Rating: Area of Concern

Field Date: 7/13/2017

Notes: Could not get to erosion due to dense veg. Possibly a deep narrow cut.

LM Start	4.28	Rating **	A/W	Issue No.	29 (cont)
LM End	4.28	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_241_29_20190826_00051.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

A wide river flows through a landscape with green vegetation and a clear blue sky. The foreground shows a grassy bank. A timestamp 'BM 7:42 JUL 13/2017' is visible in the bottom right corner.Page 29 of 37

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	4.40	Rating **	M	Issue No.	30 (cont)	
LM End	4.46	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.260850 °	38.260425 °	
				-121.761875 °	-121.762861 °	
DWR ID	LMA-204					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope.						
Site ID No:377						
Site Designation:LMA-204						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/13/2017						
Notes: large cut is 100' of 320' site. Large cut is 12' vertical and the rest is 6'.						

Photo 2 of 3 : FA_2019_RD2060_241_30_20190826_00054.jpg



LM Start	4.40	Rating **	M	Issue No.	30 (cont)
LM End	4.46	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2019_RD2060_241_30_20190826_00055.jpg

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	4.50	Rating **	A/W	Issue No.	31
LM End	4.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260150°	38.259939°
				-121.763556°	-121.764064°
DWR ID	LMA-205				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the slope. It has resulted in some sloughing.					
Site ID No:378					
Site Designation:LMA-205					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/17/2017					
Notes: Deep, wide, vertical cut into slope almost 1/2 way into sope.					

Photo 1 of 3 : FA_2019_RD2060_241_31_20190826_00056.jpg



LM Start	4.50	Rating **	A/W	Issue No.	31 (cont)
LM End	4.53	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_241_31_20190826_00057.jpg

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Reclamation District No. 2060 Hastings

A photograph showing a large, bare tree in the foreground, surrounded by green and yellow shrubs. In the background, there is a calm body of water under a clear sky.Page 32 of 37

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	4.80	Rating **	A/W	Issue No.	32 (cont)
LM End	4.88	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.260714 °	38.261808 °	
			-121.767972 °	-121.768536 °	

DWR ID	LMA-206
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Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope towards the toe.

Site ID No: 379

Site Designation: LMA-206

Repair Type: Erosion

Rating: Serious

Field Date: 7/17/2017

Notes: Several erosions with slumping. Fresh soil indicates active erosion this season. Adjacent slope has riprap. Riprap should be extended along this stretch.

LM Start	4.80	Rating **	A/W	Issue No.	32 (cont)
LM End	4.88	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_241_32_20190826_00060.jpg



Photo 3 of 3 : FA_2019_RD2060_241_32_20190826_00061.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	4.92	Rating **	M	Issue No.	33
LM End	4.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262128°	38.262128°
				-121.769175°	-121.769175°
DWR ID	LMA-207				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.					
Site ID No:380					
Site Designation:LMA-207					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: Reduced length of site from 275 to 62. No widespread erosion, just 2 small erosions upstream from adjacent riprap.					

Photo 1 of 3 : FA_2019_RD2060_241_33_20190826_00062.jpg



Photo 2 of 3 : FA_2019_RD2060_241_33_20190826_00063.jpg



LM Start	4.92	Rating **	M	Issue No.	33 (cont)
LM End	4.92	Issue Type +	Ma	Location *	WS

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	4.92	Rating **	M	Issue No.	33 (cont)	
LM End	4.92	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.262128 °	38.262128 °	
				-121.769175 °	-121.769175 °	
DWR ID	LMA-207					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.						
Site ID No:380						
Site Designation:LMA-207						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/17/2017						
Notes: Reduced length of site from 275 to 62. No widespread erosion, just 2 small erosions upstream from adjacent riprap.						

Photo 3 of 3 : FA_2019_RD2060_241_33_20190826_00064.jpg



LM Start	5.00	Rating **	M	Issue No.	34
LM End	5.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262636 °	38.262658 °
				-121.770503 °	-121.770547 °
DWR ID	LMA-208				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.					
Site ID No:381					
Site Designation:LMA-208					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: Extended site from 15' to 75' to include LMA-209. Small erosions will become 1 site next high water due to sloughing between them.					

Photo 1 of 3 : FA_2019_RD2060_241_34_20190826_00065.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	5.00	Rating **	M	Issue No.	34 (cont)
LM End	5.01	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.262636°	38.262658°	
			-121.770503°	-121.770547°	

DWR ID LMA-208

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.

Site ID No: 381

Site Designation: LMA-208

Repair Type: Erosion

Rating: Area of Concern

Field Date: 7/17/2017

Notes: Extended site from 15' to 75' to include LMA-209. Small erosions will become 1 site next high water due to sloughing between them.

LM Start	5.00	Rating **	M	Issue No.	34 (cont)
LM End	5.01	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_241_34_20190826_00066.jpg



Photo 3 of 3 : FA_2019_RD2060_241_34_20190826_00067.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/15/2019 10/15/2019	David Julian

LM Start	5.12	Rating **	M	Issue No.	18
LM End	6.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262929°	38.274732°
				-121.771902°	-121.794825°
DWR ID	DWR_RD2060_01_f_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD2060_241_18_20191015_00074.jpg



View of annual vegetation on the landside slope (Fall 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.64	10/15/2019 10/15/2019	David Julian

LM Start	0.22	Rating **	M	Issue No.	6
LM End	0.22	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.277807 °	38.277807 °
				-121.795928 °	-121.795928 °
DWR ID	DWR_RD2060_02_f_2019_6				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD2060_242_6_20191015_00011.jpg



View of deep rut on the waterside shoulder of the crown (Fall 2019).

LM Start	2.52	Rating **	A/W	Issue No.	8
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.290866 °	38.290866 °
				-121.768068 °	-121.768068 °
DWR ID	DWR_RD2060_02_f_2019_8				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Cow path is located on the landside slope.					

Photo 1 of 1 : FA_2019_RD2060_242_8_20191015_00012.jpg



View looking downstream at cow path on the landside slope (Fall 2019).

LM Start	2.60	Rating **	M	Issue No.	9
LM End	2.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.291315 °	38.293390 °
				-121.766569 °	-121.760008 °
DWR ID	DWR_RD2060_02_f_2019_9				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Terracing on the levee due to cows.					

Photo 1 of 1 : FA_2019_RD2060_242_9_20191015_00013.jpg



View looking downstream at terracing in the levee due to cows (Fall 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	0.07	Rating **	M	Issue No.	16
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.296350 °	38.296302 °
				-121.747642 °	-121.747565 °
DWR ID	DWR_RD2060_03_s_2017_16				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Sloughing is occurring on the LS slope.					

Photo 1 of 2 : FA_2019_RD2060_243_16_20190826_00010.jpg



Looking down from the shoulder at the sloughing in the slope towards the irrigation ditch at toe.

LM Start	0.07	Rating **	M	Issue No.	16 (cont)
LM End	0.07	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_RD2060_243_16_20190826_00011.jpg



Standing on the slope looking upstream at the slough.

LM Start	0.10	Rating **	A/W	Issue No.	71
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.296084 °	38.296084 °
				-121.747052 °	-121.747052 °
DWR ID	DWR_RD2060_03_s_2018_71				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Minor slump at toe likely due to cattle should be repaired.					

Photo 1 of 1 : FA_2019_RD2060_243_71_20191016_00088.jpg



View looking upstream at minor slump on the lower half of the landside slope (Fall 2019).

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	0.12	Rating **	M	Issue No.	13
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.295919 °	38.295611 °
				-121.746700 °	-121.745742 °
DWR ID	LMA-212				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing and seepage occurs near the land side toe.					
Site ID No:385					
Site Designation:LMA-212					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Moderate sloughing halfway down LS slope. Monitor for progression.					

Photo 1 of 3 : FA_2019_RD2060_243_13_20190826_00004.jpg



LM Start	0.12	Rating **	M	Issue No.	13 (cont)
LM End	0.18	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2019_RD2060_243_13_20190826_00005.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	0.12	Rating **	M	Issue No.	13 (cont)
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.295919 °	38.295611 °
				-121.746700 °	-121.745742 °
DWR ID	LMA-212				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing and seepage occurs near the land side toe.					
Site ID No:385					
Site Designation:LMA-212					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Moderate sloughing halfway down LS slope. Monitor for progression.					

Photo 3 of 3 : FA_2019_RD2060_243_13_20190826_00006.jpg



LM Start	0.15	Rating **	A/W	Issue No.	19
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.295738 °	38.295559 °
				-121.746293 °	-121.745583 °
DWR ID	DWR_RD2060_03_f_2019_19				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There are several signs of sloughing occurring on the slope.					

Photo 1 of 3 : FA_2019_RD2060_243_19_20191015_00087.jpg



View looking downslope at the erosion site (Fall 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	0.15	Rating **	A/W	Issue No.	19 (cont)	
LM End	0.19	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.295738 °		38.295559 °
				-121.746293 °		-121.745583 °
DWR ID	DWR_RD2060_03_f_2019_19					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
There are several signs of sloughing occuring on the slope.						

Photo 2 of 3 : FA_2019_RD2060_243_19_20190826_00012.jpg



Standing at levee mile 0.15 looking downstream from the landside slope.

LM Start	0.15	Rating **	A/W	Issue No.	19 (cont)
LM End	0.19	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2019_RD2060_243_19_20190826_00013.jpg



Just upstream of the erosion site looking downstream from the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	0.64	Rating **	M	Issue No.	14
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.292197 °	38.292208 °
				-121.739661 °	-121.739611 °
DWR ID	LMA-213				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences near the edge of the crown and extends down the slope. Erosion has resulted in slippage into the waterside toe.					
Site ID No:386					
Site Designation:LMA-213					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes:					

Photo 1 of 3 : FA_2019_RD2060_243_14_20190826_00007.jpg



Photo 2 of 3 : FA_2019_RD2060_243_14_20190826_00008.jpg



LM Start	0.64	Rating **	M	Issue No.	14 (cont)
LM End	0.64	Issue Type +	Ma	Location *	WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	0.64	Rating **	M	Issue No.	14 (cont)
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.292197 °	38.292208 °
				-121.739661 °	-121.739611 °
DWR ID	LMA-213				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences near the edge of the crown and extends down the slope. Erosion has resulted in slippage into the waterside toe.					
Site ID No:386					
Site Designation:LMA-213					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes:					

Photo 3 of 3 : FA_2019_RD2060_243_14_20190826_00009.jpg



LM Start	0.81	Rating **	M	Issue No.	15
LM End	0.81	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.291633°	38.291606°
				-121.736750°	-121.736714°
DWR ID	LMA-215				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the slope. Erosion has resulted in slippage into the waterside toe.					
Site ID No:388					
Site Designation:LMA-215					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Narrow erosion on WS slope. Monitor for progression.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	1.21	Rating **	M	Issue No.	20
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.290511 °	38.290486 °
				-121.729867 °	-121.729603 °
DWR ID	LMA-217				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences 1/4 of the way down the slope with slippage towards the water side toe.					
Site ID No:390					
Site Designation:LMA-217					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Erosion halfway down WS slope. Monitor for progression.					

Photo 1 of 3 : FA_2019_RD2060_243_20_20190826_00014.jpg



LM Start	1.21	Rating **	M	Issue No.	20 (cont)
LM End	1.23	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_243_20_20190826_00015.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

A photograph showing a grassy bank in the foreground with many small white flowers. The bank slopes down towards a large body of water. In the background, there are trees and power lines under a clear blue sky. The date '2006-06-04 14:02:27' is visible in the bottom right corner.Page 8 of 38

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	1.38	Rating **	M	Issue No.	21 (cont)
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.290067 °	38.289608 °
				-121.726839 °	-121.726344 °
DWR ID	LMA-320				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:MBK Delta Erosion Sites_6-29-2017					
Site ID No:482					
Site Designation:LMA-320					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/29/2017					
Notes:					

LM Start	1.38	Rating **	M	Issue No.	21 (cont)
LM End	1.42	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_243_21_20190826_00018.jpg



Photo 3 of 3 : FA_2019_RD2060_243_21_20190826_00019.jpg



* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	1.45	Rating **	M	Issue No.	22
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.289256°	38.287689°
				-121.726050°	-121.724658°
DWR ID	LMA-219				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Erosion commences halfway down the slope and results in slippage into the waterside toe.

Site ID No: 392

Site Designation: LMA-219

Repair Type: Erosion

Rating: Area of Concern

Field Date: 7/20/2017

Notes: Moderate erosion present on WS slope. Monitor for progression.

LM Start	1.45	Rating **	M	Issue No.	22 (cont)
LM End	1.59	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2019_RD2060_243_22_20190826_00020.jpg



Photo 2 of 3 : FA_2019_RD2060_243_22_20190826_00021.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	1.45	Rating **	M	Issue No.	22 (cont)	
LM End	1.59	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.289256 °		38.287689 °
				-121.726050 °		-121.724658 °
DWR ID	LMA-219					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences halfway down the slope and results in						
slippage into the waterside toe.						
Site ID No:392						
Site Designation:LMA-219						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/20/2017						
Notes: Moderate erosion present on WS slope. Monitor for progression.						

Photo 3 of 3 : FA_2019_RD2060_243_22_20190826_00022.jpg



LM Start	1.62	Rating **	A/W	Issue No.	23
LM End	1.63	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.287336 °	38.287222 °
				-121.724364 °	-121.724253 °
DWR ID	LMA-220				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in slippage into the waterside toe. Existing rip rap has sloughed into the water side toe.					
Site ID No:393					
Site Designation:LMA-220					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/20/2017					
Notes: Moderate sloughing 8ft from WS crown. Erosion at high water mark.					

Photo 1 of 3 : FA_2019_RD2060_243_23_20190826_00023.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

A photograph showing a coastal landscape. On the left, there is a body of water. A dense line of green trees and shrubs separates the water from a grassy dune area. A white vehicle is parked on the dune in the distance. The sky is clear and blue. In the bottom right corner, there is a yellow timestamp that reads "2015-07-14 10:50:07".Page 12 of 38

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	1.65	Rating **	M	Issue No.	24
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.286953 °	38.285939 °	
			-121.723958 °	-121.723061 °	
DWR ID	LMA-221				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Erosion commences halfway down the slope. Existing rip rap has sloughed into the water side toe. Site ID No: 394 Site Designation: LMA-221 Repair Type: Erosion Rating: Area of Concern Field Date: 7/20/2017 Notes: Site includes LMA-218. Erosion halfway down slope. Monitor for progression.					

No Photos

LM Start	1.84	Rating **	M	Issue No.	25
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.284825 °	38.284467 °	
			-121.721764 °	-121.720339 °	
DWR ID	LMA-222				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Erosion commences halfway down the slope and results in slippage into the waterside toe. Site ID No: 395 Site Designation: LMA-222 Repair Type: Erosion Rating: Area of Concern Field Date: 7/20/2017 Notes: Erosion halfway down slope. Monitor for progression.					

Photo 1 of 3 : FA_2019_RD2060_243_25_20190826_00026.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	1.84	Rating **	M	Issue No.	25 (cont)	
LM End	1.92	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.284825 °		38.284467 °
				-121.721764 °		-121.720339 °
DWR ID	LMA-222					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences halfway down the slope and results in						
slippage into the waterside toe.						
Site ID No:395						
Site Designation:LMA-222						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/20/2017						
Notes: Erosion halfway down slope. Monitor for progression.						

Photo 2 of 3 : FA_2019_RD2060_243_25_20190826_00027.jpg



Photo 3 of 3 : FA_2019_RD2060_243_25_20190826_00028.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.02	Rating **	A/W	Issue No.	5
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.284120 °	38.277633 °
				-121.718577 °	-121.711912 °
DWR ID	DWR_RD2060_03_f_2018_5				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 22.9 R					
Status: Eroding					
2017 Field Notes: Sites 22.5, 22.6, 22.8, and 22.9 were combined into one long erosion site due to due erosion.					
Site History: 2007 - Geotechnical failure of midside slope and wave wash/scalloping in toe area. Stone revetment upstream and downstream of site. Similar sites are present all along the right bank downstream of this site, most could be repaired with some maintenance. 2008 - Small scour pockets and mid-slope wave wash. 2010 - Minor new erosion. 2011 - Site extended downstream and new erosion. 2013 - Pockets of erosion behind willows and extending into the levee toe. 2015 - Erosion pockets have increased in size. 2016 - Rock has been placed in some of the pockets.					

No Photos

LM Start	2.02	Rating **	M	Issue No.	26
LM End	2.06	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.283914 °	38.283422 °
				-121.718614 °	-121.718206 °
DWR ID	LMA-223				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in					
slippage into the waterside toe. Existing rip rap has sloughed into the					
water side toe.					
Site ID No:396					
Site Designation:LMA-223					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion to high water line.					

Photo 1 of 3 : FA_2019_RD2060_243_26_20190826_00029.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.02	Rating **	M	Issue No.	26 (cont)
LM End	2.06	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.283914 °	38.283422 °
				-121.718614 °	-121.718206 °
DWR ID	LMA-223				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in slippage into the waterside toe. Existing rip rap has sloughed into the water side toe.					
Site ID No:396					
Site Designation:LMA-223					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion to high water line.					

LM Start	2.02	Rating **	M	Issue No.	26 (cont)
LM End	2.06	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_243_26_20190826_00030.jpg



Photo 3 of 3 : FA_2019_RD2060_243_26_20190826_00031.jpg



* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.12	Rating **	A/W	Issue No.	27
LM End	2.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.282733 °	38.282403 °
				-121.717683 °	-121.717428 °
DWR ID	LMA-224				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in slippage into the waterside toe.					
Site ID No:397					
Site Designation:LMA-224					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Benched erosion with large cracks on slope above. Light veg in erosion.					

Photo 1 of 3 : FA_2019_RD2060_243_27_20190826_00032.jpg



Photo 2 of 3 : FA_2019_RD2060_243_27_20190826_00033.jpg



LM Start	2.12	Rating **	A/W	Issue No.	27 (cont)
LM End	2.15	Issue Type +	Ma	Location *	WS

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.12	Rating **	A/W	Issue No.	27 (cont)
LM End	2.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.282733 °	38.282403 °
				-121.717683 °	-121.717428 °
DWR ID	LMA-224				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in slippage into the waterside toe.					
Site ID No:397					
Site Designation:LMA-224					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Benched erosion with large cracks on slope above. Light veg in erosion.					

A photograph showing a grassy bank in the foreground, sloping down towards a body of water. The grass is dry and yellowish-brown. In the middle ground, there is a dense line of green shrubs and bushes. Beyond the vegetation, the water is calm and blue. The sky is clear and blue. In the far distance, some small structures or trees are visible on the horizon. A small orange watermark is visible in the bottom right corner of the image.

LM Start	2.19	Rating **	A/W	Issue No.	28
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.281839 °	38.281486 °
				-121.716964 °	-121.716661 °
DWR ID	LMA-225				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in slippage into the waterside toe.					
Site ID No:398					
Site Designation:LMA-225					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Erosion is near vertical with light veg. Existing rip rap to the left of site.					

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.19	Rating **	A/W	Issue No.	28 (cont)
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.281839 °	38.281486 °
				-121.716964 °	-121.716661 °
DWR ID	LMA-225				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in slippage into the waterside toe.					
Site ID No:398					
Site Designation:LMA-225					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Erosion is near vertical with light veg. Existing rip rap to the left of site.					

Photo 2 of 3 : FA_2019_RD2060_243_28_20190826_00036.jpg



Photo 3 of 3 : FA_2019_RD2060_243_28_20190826_00037.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.30	Rating **	M	Issue No.	29
LM End	2.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.280667°	38.280467°
				-121.715664°	-121.715242°
DWR ID	LMA-226				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in slippage into the waterside toe.					
Site ID No:399					
Site Designation:LMA-226					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Vertical erosion at high water mark.					

Photo 1 of 3 : FA_2019_RD2060_243_29_20190826_00038.jpg



LM Start	2.30	Rating **	M	Issue No.	29 (cont)
LM End	2.33	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_243_29_20190826_00039.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.30	Rating **	M	Issue No.	29 (cont)
LM End	2.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.280667 °	38.280467 °
				-121.715664 °	-121.715242 °
DWR ID	LMA-226				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in slippage into the waterside toe.					
Site ID No:399					
Site Designation:LMA-226					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Vertical erosion at high water mark.					

Photo 3 of 3 : FA_2019_RD2060_243_29_20190826_00040.jpg



LM Start	2.36	Rating **	M	Issue No.	31
LM End	2.43	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.280208 °	38.279336 °
				-121.714853 °	-121.714172 °
DWR ID	LMA-227				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in slippage into the waterside toe.					
Site ID No:400					
Site Designation:LMA-227					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Steep cut but protected with heavy woody veg.					

Photo 1 of 3 : FA_2019_RD2060_243_31_20190826_00041.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.36	Rating **	M	Issue No.	31 (cont)	
LM End	2.43	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.280208 °		38.279336 °
				-121.714853 °		-121.714172 °
DWR ID	LMA-227					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in slippage into the waterside toe.						
Site ID No:400						
Site Designation:LMA-227						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes: Steep cut but protected with heavy woody veg.						

Photo 2 of 3 : FA_2019_RD2060_243_31_20190826_00042.jpg



Photo 3 of 3 : FA_2019_RD2060_243_31_20190826_00043.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.47	Rating **	M	Issue No.	32
LM End	2.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.278794 °	38.278533 °
				-121.713703 °	-121.713453 °
DWR ID	LMA-228				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:401					
Site Designation:LMA-228					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion and sloughing. Heavy veg flanking both sides.					

Photo 1 of 3 : FA_2019_RD2060_243_32_20190826_00044.jpg



LM Start	2.47	Rating **	M	Issue No.	32 (cont)
LM End	2.49	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_243_32_20190826_00045.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.47	Rating **	M	Issue No.	32 (cont)
LM End	2.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.278794 °	38.278533 °
				-121.713703 °	-121.713453 °
DWR ID	LMA-228				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:401					
Site Designation:LMA-228					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion and sloughing. Heavy veg flanking both sides.					

Photo 3 of 3 : FA_2019_RD2060_243_32_20190826_00046.jpg



LM Start	2.55	Rating **	M	Issue No.	33
LM End	2.55	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277956 °	38.277928 °
				-121.712814 °	-121.712775 °
DWR ID	LMA-229				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and extends to the waterside toe.					
Site ID No:402					
Site Designation:LMA-229					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Small but deep vertical cut down to water.					

Photo 1 of 3 : FA_2019_RD2060_243_33_20190826_00047.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.55	Rating **	M	Issue No.	33 (cont)	
LM End	2.55	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.277956 °		38.277928 °
				-121.712814 °		-121.712775 °
DWR ID	LMA-229					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and extends to the waterside toe.						
Site ID No:402						
Site Designation:LMA-229						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes: Small but deep vertical cut down to water.						

Photo 2 of 3 : FA_2019_RD2060_243_33_20190826_00048.jpg



Photo 3 of 3 : FA_2019_RD2060_243_33_20190826_00049.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	34
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277850 °	38.277706 °
				-121.712639 °	-121.712414 °
DWR ID	LMA-230				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in sloughing into the waterside toe.					
Site ID No:403					
Site Designation:LMA-230					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Erosion causing sloughing. Horizontal cracks about 6' up from erosion.					

LM Start	2.56	Rating **	A/W	Issue No.	34 (cont)
LM End	2.58	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2019_RD2060_243_34_20190826_00050.jpg



Photo 2 of 3 : FA_2019_RD2060_243_34_20190826_00051.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	34 (cont)
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277850 °	38.277706 °
				-121.712639 °	-121.712414 °
DWR ID	LMA-230				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in sloughing into the waterside toe.					
Site ID No:403					
Site Designation:LMA-230					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Erosion causing sloughing. Horizontal cracks about 6' up from erosion.					

Photo 3 of 3 : FA_2019_RD2060_243_34_20190826_00052.jpg



LM Start	2.64	Rating **	M	Issue No.	35
LM End	2.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277106 °	38.277078 °
				-121.711489 °	-121.711447 °
DWR ID	LMA-231				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in sloughing into the waterside toe.					
Site ID No:404					
Site Designation:LMA-231					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Small erosion and sloughing adjacent to revetted slope.					

Photo 1 of 3 : FA_2019_RD2060_243_35_20190826_00053.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.69	Rating **	A/W	Issue No.	36
LM End	2.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.276608 °	38.276133 °
				-121.710811 °	-121.710394 °
DWR ID	LMA-232				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing commences approximately halfway down the slope and extends to the waterside toe.					
Site ID No:405					
Site Designation:LMA-232					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Vertical cut at highwater mark.					

Photo 1 of 3 : FA_2019_RD2060_243_36_20190826_00056.jpg



Photo 2 of 3 : FA_2019_RD2060_243_36_20190826_00057.jpg



LM Start	2.69	Rating **	A/W	Issue No.	36 (cont)
LM End	2.73	Issue Type +	Ma	Location *	WS

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	2.69	Rating **	A/W	Issue No.	36 (cont)	
LM End	2.73	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.276608 °		38.276133 °
				-121.710811 °		-121.710394 °
DWR ID	LMA-232					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Sloughing commences approximately halfway down the slope and extends to the waterside toe.						
Site ID No:405						
Site Designation:LMA-232						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/18/2017						
Notes: Vertical cut at highwater mark.						

Photo 3 of 3 : FA_2019_RD2060_243_36_20190826_00058.jpg



LM Start	3.24	Rating **	M	Issue No.	37
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.270231 °	38.270203 °
				-121.705897 °	-121.705856 °
DWR ID	LMA-233				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site.					
Site ID No:406					
Site Designation:LMA-233					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion is next to a pumphouse and slope is protected with rip rap.					

Photo 1 of 3 : FA_2019_RD2060_243_37_20190826_00059.jpg



* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	3.59	Rating **	M	Issue No.	38	
LM End	3.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.266408 °	38.266047 °	
				-121.701650 °	-121.701061 °	
DWR ID	LMA-322					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:MBK Delta Erosion Sites_6-29-2017						
Site ID No:484						
Site Designation:LMA-322						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:8/29/2017						
Notes:						

Photo 1 of 2 : FA_2019_RD2060_243_38_20190826_00062.jpg



Photo 2 of 2 : FA_2019_RD2060_243_38_20190826_00063.jpg



LM Start	3.59	Rating **	M	Issue No.	38 (cont)
LM End	3.63	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

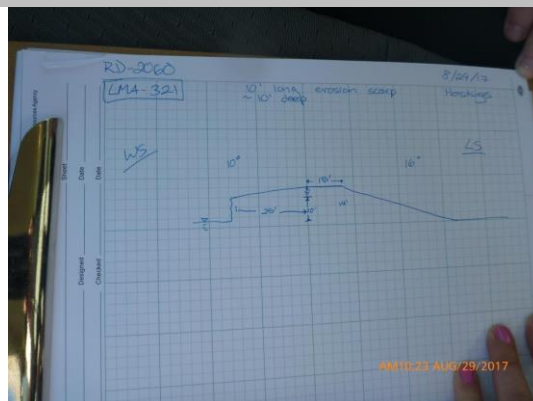
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	3.66	Rating **	M	Issue No.	39
LM End	3.71	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.265742°	38.265342°
				-121.700522°	-121.699881°
DWR ID	LMA-321				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:MBK Delta Erosion Sites_6-29-2017					
Site ID No:483					
Site Designation:LMA-321					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/29/2017					
Notes:					

Photo 1 of 1 : FA_2019_RD2060_243_39_20190826_00064.jpg



LM Start	3.78	Rating **	A/W	Issue No.	4
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.264585 °	38.260593 °
				-121.698868 °	-121.696403 °
DWR ID	DWR_RD2060_03_f_2018_4				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 21.1 R					
Status: Eroding					
2017 Field Notes: Significant toe erosion within last year.					
Site History: 2011 - Several pockets of erosion from rotational failure and slumping toe. 2013 - Site extended downstream to include new erosion pockets. 2016 - New rock in one of the erosion spots.					

Photo 1 of 1 : FA_2019_RD2060_243_4_20190826_00001.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	3.82	Rating **	A/W	Issue No.	40
LM End	3.94	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.264006 °	38.262364 °
				-121.698811 °	-121.698103 °
DWR ID	LMA-237				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site					
Site ID No:410					
Site Designation:LMA-237					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: This site is combined with LMA-234. There is minor toe erosion along whole 631 lf, but there is a 20' wide deep erosion at 38.26347, -121.69859. That is the only location that is serious and is likely due toa collapsed beaver den.					

Photo 1 of 3 : FA_2019_RD2060_243_40_20190826_00065.jpg



LM Start	3.82	Rating **	A/W	Issue No.	40 (cont)
LM End	3.94	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2019_RD2060_243_40_20190826_00066.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	3.82	Rating **	A/W	Issue No.	40 (cont)	
LM End	3.94	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.264006 °	38.262364 °	
				-121.698811 °	-121.698103 °	
DWR ID	LMA-237					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site						
Site ID No:410						
Site Designation:LMA-237						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/18/2017						
Notes: This site is combined with LMA-234. There is minor toe erosion along whole 631 lf, but there is a 20' wide deep erosion at 38.26347, -121.69859. That is the only location that is serious and is likely due toa collapsed beaver den.						

Photo 3 of 3 : FA_2019_RD2060_243_40_20190826_00067.jpg



LM Start	3.96	Rating **	A/W	Issue No.	41
LM End	4.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262114 °	38.261583 °
				-121.697978 °	-121.697647 °
DWR ID	LMA-238				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:411					
Site Designation:LMA-238					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: This site includes LMA-235. Wide erosion looks like several small sited merged. Heavy veg indicates slow erosion.					

Photo 1 of 3 : FA_2019_RD2060_243_41_20190826_00068.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	3.96	Rating **	A/W	Issue No.	41 (cont)
LM End	4.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262114 °	38.261583 °
				-121.697978 °	-121.697647 °
DWR ID	LMA-238				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:411					
Site Designation:LMA-238					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: This site includes LMA-235. Wide erosion looks like several small sited merged. Heavy veg indicates slow erosion.					

Photo 2 of 3 : FA_2019_RD2060_243_41_20190826_00069.jpg



Photo 3 of 3 : FA_2019_RD2060_243_41_20190826_00070.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/15/2019 10/15/2019	David Julian

LM Start	4.06	Rating **	A/W	Issue No.	42 (cont)	
LM End	4.08	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.260789 °	38.260644 °	
				-121.696964 °	-121.696828 °	
DWR ID	LMA-239					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site.						
Site ID No:412						
Site Designation:LMA-239						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/17/2017						
Notes: Small erosion. Appears that site grows slowly with each high water. The center of the eosion is a deep cut that extends below rhe waterline. Possible beaver den collapse.						

Photo 3 of 3 : FA_2019_RD2060_243_42_20190826_00073.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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